Flow Orifices and Flow Restrictors

Find Flow Orifices and Flow Restrictors Manufacturers

Show all Flow Orifices and Flow Restrictors Manufacturers
Find Flow Orifices and Flow Restrictors by Specification:

Orifice Diameter:	Maximum Pressure:	Maximum Liquid Flow Rate:
Less than 0.0063 inch	At least 100 psi	At least 7 GPH
0.0063 to 0.016 inch	At least 200 psi	At least 41 GPH
0.016 to 0.03 inch	At least 300 psi	At least 222 GPH
0.03 to 0.068 inch	At least 3,000 psi	At least 3,738 GPH
0.068 inch and up		

More Specifications >>

About Flow Orifices and Flow Restrictors

Flow orifices and flow restrictors contain precision-machined holes and filters or screens to restrict flow and reduce pressure. They are available as stand-alone devices and in kits, assemblies, restrictors, and restrictor valves. Flow orifices and flow restrictors vary in terms of both specifications and features. Specifications include orifice diameter, maximum pressure, maximum liquid or gas flow rate, flow tolerance, and media temperature. Typically, flow tolerance is expressed as a percentage. In part, media temperature depends upon whether devices are rated for pneumatic air, hydraulic fluids, ink, chemicals, or gases. Optional features include multiple openings for increased control. Some devices are bi-directional. Others are constructed for high-purity applications such as semiconductor manufacturing. Devices traceable to the National Institute of Standards and Technology (NIST) and the American Society of Mechanical Engineers (ASME) are often available.

Selecting flow orifices and flow restrictors requires an analysis of connection methods. Some devices use male or female national pipe thread (NPT) ports. Others use male or female, tapered or straight British standard pipe (BSP) measurements. Connection standards include unified national course (UNC), unified national fine (UNF), and other English thread series. Flow orifices and flow restrictors with metric measurements are commonly available. Devices with plain ends fit into bells and sockets. Fittings with groves are well-suited for use with coupling features such as O-rings and elastomeric seals. Flares are designed to mate with connection nuts or ferrules with a complementary geometry. For rigid metallic connections, fitting ends are typically welded or brazed. Other connection methods include flanges, compression fittings, pipe clamp ends, push-to-connect collars, and hardware with barbs and ridges.

More >>

EXHIBIT B

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Farmington Engineering, Inc. - Expansion plugs, **flow**...
Expansion plugs, **flow restrictors,** solenoid valves, solenoid pumps, Cv plugs and **restrictors** available.
See Farmington Engineering, Inc. Information

Mott Corporation -- Products for Semiconductor Manufacturing
High-flow Bulk/utility **Flow restrictors**
See Mott Corporation Information

Mott 1/4 Sleeve OD Stainless Steel **Flow...** from Amazon.com
Sintered metal **flow restrictors** replace **orifices,** capillary tubes and micrometering valves in highly accurate **flow** control applications using porous

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